

ABSTRACT:

The composition of an image [IM] comprises the step of mapping [MAP] a set of image sample values [SV] from a departure space [DEP] to an arrival space [ARR] in accordance with a geometrical transformation [T]. A zone in the departure space [ITL] is computed by applying the inverse geometrical transformation [T^{-1}] to a zone in the arrival space [TL] covering a group of image samples. A group of input values [IV] is established for the zone in the departure space [ITL]. The group of input values [IV] comprises Boolean values [BV]. A Boolean input value has a certain position (x_d, y_d) in the departure space and designates the other input values having the same position as being non-valid if the position is outside the set of image sample values [SV]. The group of image samples [TL] is composed from the group of input values [IV]. The Boolean values [BV] prevent the input values designated as being non-valid from contributing to an image sample.

Fig. 2